

MESSAGE TIMER CIRCUIT

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1. GENERAL INFORMATION

1.1 This section describes the tests to be applied to the Message Timer Circuit (SD-27602).

1.2 Test Procedures

1.21 Tests listed in this section should be applied after the Message Timer cross-connections have been tested per Handbook 63, Section 245.

2. RECORDS

2.1 Trouble records SD-4-1313 and SD-4-1315 should be used for this test. See Handbook 50, Section 3.

3. TESTING EQUIPMENT

<u>Amt</u>	<u>Code</u>	<u>Description</u>	<u>With ITE-</u>
1	R-3314	Watch, Stop	4023
1	R-9572	Test Receiver	4023
1	R-9548	Cord	4023

4. MANUAL RELAY TEST

4.1 Prior to applying this test a continuity and assignment test should have been performed to verify leads from S- and M1 punchings to the MDF.

4.2 At the terminal strip on the Message Timer Frame, apply battery through a test receiver to punching S-0. Verify relay MT of M.T. Circuit 0 operates but does not lock. Remove battery from punching S-0.

4.3 Apply ground to punching M1-0. Verify relay MT1 does not operate.

4.4 With ground still applied to punching M1-0, momentarily apply resistance battery again to punching S-0. Verify relays MT and MT1 are locked operated until ground is removed from punching S-0.

4.5 Repeat test for all Message Timer Circuits using associated S and M1 punchings.

5. MT TIME METER

5.1 An R-3314 Stop Watch will be used for comparing time differences between the operation of the MT relay and the MT Time Meter.

5.2 At the Message Timing Circuit, record the MT timing meter reading.

5.3 At the same time, block operated relay MT and start the stop watch.

5.4 Observe the right numbered wheel of the MT timing meter. When the wheel advances one digit, observe the elapsed time.

5.5 Continue letting the MT timing meter run until the right numbered wheel has advanced two more digits. When the wheel has advanced to the third digit, release the MT relay and the stop watch.

5.6 The elapsed time from the first operation of the numbered wheel to the third operation should be twelve minutes.

5.7 Repeat Paragraphs 5.1 to 5.6 on all MT timing meters.

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